

Please type a plus sign (+) inside this box → ☐

12-10-01

PTO/SB/05 (11-00)  
Approved for use through 10/31/02 OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No. **506612000100**

First Inventor **Jay WOHLGEMUTH et al.**

Title **LEUKOCYTE EXPRESSION PROFILING**

Express Mail Label No. **EL 903 973 813 US**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

Express Mail Label No.: **EL 903 973 813 US**

Date of Deposit: **October 22, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

**EL 903973813US**

**CHASE J. TROMBELLA**

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17) - **1 PG IN DUPL**

(Submit an original, and a duplicate for fee processing)

2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages **606** ]  
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 USC 113) [Total Sheets **10** ]

5. Oath or Declaration [Total Pages **6** ]

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

6. ☒ Application Data Sheet. See 37 CFR 1.76 - **4 pgs**

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☒ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

- i. ☒ CD-ROM or CD-R (2 copies); AND
- ii. ☒ paper - **1527 pgs**

c. ☒ Statements verifying identity of above copies - **2 pgs**

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s)) - **6 pgs**

10. ☐ 37 CFR 3.73(b) Statement  
(where there is an assignee)

☐ Power of Attorney

11. ☐ English Translation document (if applicable)

12. ☐ Information Disclosure Statement  
(IDS)/PTO-1449

☐ Copies of IDS  
Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent

17. ☒ Other Fee Determination Record - **1 pg**

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation

☐ Divisional

☐ Continuation-in-part (CIP)

of prior application No. \*

Prior application information

Examiner \*

Group / Art Unit \*

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label

or ☐ Correspondence address below



**20872**

PATENT TRADEMARK OFFICE

(Insert Customer No. or Attach bar code label here)

Name **Michael R. Ward**

Address **MORRISON & FOERSTER LLP**

City **San Francisco**

State **CA**

Zip Code **94105-2842**

Country **U.S.A.**

Telephone **415/268-6237**

Fax **415/268-7522**

Name (Print/Type) **MICHAEL R. WARD**

Registration No. (Attorney/Agent)

**38,651**

Signature

**Michael R. Ward**

Date **October 22, 2001**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

# FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

## Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Jay WOHLGEMUTH, et al.
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned
Attorney Docket No.	506612000100

TOTAL AMOUNT OF PAYMENT

(\$926.00)

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **03-1952**

Deposit Account Name **Morrison & Foerster LLP**

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	370
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$370.00)

## 2. EXTRA CLAIM FEES

Total Claims	54	-20** =	34	x	9	=	\$306.00
Independent Claims	8	-3** =	5	x	42	=	\$210.00

Multiple Dependent

= \$ -0-

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claims, if not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$886.00)

\*\* or number previously paid, if greater; For reissues, see above.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions of the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per properties (times number of properties)	40
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40.00)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Michael R. Ward	Registration No. (Attorney/Agent)	(38,651)	Telephone	(415) 268-6237
Signature	Michael R. Ward	Date	October 22, 2001		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail Label No.: EL 903 973 813 US

Date of Deposit: October 22, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

  
CHASE J. TROMBELLA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Jay WOHLGEMUTH et al.

Serial No.: To Be Assigned

Filing Date: Herewith

For: LEUKOCYTE EXPRESSION PROFILING

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

STATEMENT TO SUPPORT FILING AND SUBMISSION  
IN ACCORDANCE WITH 37 C.F.R. §§ 1.821-1.825

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned hereby states that the content of the attached papers and the computer readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same.

In the unlikely event that the Patent Office determines that an extension and/or other relief is required as a result of this statement, applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due to our Deposit account no. 03-1952. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: October 22, 2001

By: Michael R. Ward

Michael R. Ward  
Registration No. 38,651

Morrison & Foerster LLP  
425 Market Street  
San Francisco, California 94105-2482  
Telephone: (415) 268-6237  
Facsimile: (415) 268-7522

Parameter	Value	Unit
1. Temperature	25.0	°C
2. Humidity	65.0	%
3. Light intensity	100.0	lux
4. Air flow rate	1.0	m³/min
5. Noise level	55.0	dB
6. Vibration level	0.5	m/s²
7. Oxygen concentration	21.0	%
8. Carbon dioxide concentration	0.04	%
9. Relative humidity	65.0	%
10. Air pressure	101.3	kPa
11. Sound pressure level	55.0	dB
12. Vibration acceleration	0.5	m/s²
13. Air velocity	0.5	m/s
14. Temperature gradient	0.5	°C/m
15. Humidity gradient	0.5	%/m
16. Light intensity gradient	0.5	lux/m
17. Air flow rate gradient	0.5	m³/min/m
18. Noise level gradient	0.5	dB/m
19. Vibration level gradient	0.5	m/s²/m
20. Oxygen concentration gradient	0.5	%/m
21. Carbon dioxide concentration gradient	0.5	%/m
22. Relative humidity gradient	0.5	%/m
23. Air pressure gradient	0.5	kPa/m
24. Sound pressure level gradient	0.5	dB/m
25. Vibration acceleration gradient	0.5	m/s²/m
26. Air velocity gradient	0.5	m/s/m
27. Temperature gradient	0.5	°C/m
28. Humidity gradient	0.5	%/m
29. Light intensity gradient	0.5	lux/m
30. Air flow rate gradient	0.5	m³/min/m
31. Noise level gradient	0.5	dB/m
32. Vibration level gradient	0.5	m/s²/m
33. Oxygen concentration gradient	0.5	%/m
34. Carbon dioxide concentration gradient	0.5	%/m
35. Relative humidity gradient	0.5	%/m
36. Air pressure gradient	0.5	kPa/m
37. Sound pressure level gradient	0.5	dB/m
38. Vibration acceleration gradient	0.5	m/s²/m
39. Air velocity gradient	0.5	m/s/m
40. Temperature gradient	0.5	°C/m
41. Humidity gradient	0.5	%/m
42. Light intensity gradient	0.5	lux/m
43. Air flow rate gradient	0.5	m³/min/m
44. Noise level gradient	0.5	dB/m
45. Vibration level gradient	0.5	m/s²/m
46. Oxygen concentration gradient	0.5	%/m
47. Carbon dioxide concentration gradient	0.5	%/m
48. Relative humidity gradient	0.5	%/m
49. Air pressure gradient	0.5	kPa/m
50. Sound pressure level gradient	0.5	dB/m
51. Vibration acceleration gradient	0.5	m/s²/m
52. Air velocity gradient	0.5	m/s/m
53. Temperature gradient	0.5	°C/m
54. Humidity gradient	0.5	%/m
55. Light intensity gradient	0.5	lux/m
56. Air flow rate gradient	0.5	m³/min/m
57. Noise level gradient	0.5	dB/m
58. Vibration level gradient	0.5	m/s²/m
59. Oxygen concentration gradient	0.5	%/m
60. Carbon dioxide concentration gradient	0.5	%/m
61. Relative humidity gradient	0.5	%/m
62. Air pressure gradient	0.5	kPa/m
63. Sound pressure level gradient	0.5	dB/m
64. Vibration acceleration gradient	0.5	m/s²/m
65. Air velocity gradient	0.5	m/s/m
66. Temperature gradient	0.5	°C/m
67. Humidity gradient	0.5	%/m
68. Light intensity gradient	0.5	lux/m
69. Air flow rate gradient	0.5	m³/min/m
70. Noise level gradient	0.5	dB/m
71. Vibration level gradient	0.5	m/s²/m
72. Oxygen concentration gradient	0.5	%/m
73. Carbon dioxide concentration gradient	0.5	%/m
74. Relative humidity gradient	0.5	%/m
75. Air pressure gradient	0.5	kPa/m
76. Sound pressure level gradient	0.5	dB/m
77. Vibration acceleration gradient	0.5	m/s²/m
78. Air velocity gradient	0.5	m/s/m
79. Temperature gradient	0.5	°C/m
80. Humidity gradient	0.5	%/m
81. Light intensity gradient	0.5	lux/m
82. Air flow rate gradient	0.5	m³/min/m
83. Noise level gradient	0.5	dB/m
84. Vibration level gradient	0.5	m/s²/m
85. Oxygen concentration gradient	0.5	%/m
86. Carbon dioxide concentration gradient	0.5	%/m
87. Relative humidity gradient	0.5	%/m
88. Air pressure gradient	0.5	kPa/m
89. Sound pressure level gradient	0.5	dB/m
90. Vibration acceleration gradient	0.5	m/s²/m
91. Air velocity gradient	0.5	m/s/m
92. Temperature gradient	0.5	°C/m
93. Humidity gradient	0.5	%/m
94. Light intensity gradient	0.5	lux/m
95. Air flow rate gradient	0.5	m³/min/m
96. Noise level gradient	0.5	dB/m
97. Vibration level gradient	0.5	m/s²/m
98. Oxygen concentration gradient	0.5	%/m
99. Carbon dioxide concentration gradient	0.5	%/m
100. Relative humidity gradient	0.5	%/m